



OREGON

TUALATIN

VALLEY

Aug. 1983

AMATEUR RADIO CLUB

PO Box 5132 Beaverton, Oregon 97006

Meeting: Wednesday, Aug. 17 at 7:00 pm..
Coffee, juice and cookies a BREAK time...

PGE BUILDING-MURRAY AND SCHOLLS FERRY ROAD-BEAVERTON

President:	Bert Schmidt	W7JWG	Trustee:	Al Berg	WB7SIC
Vice-Pres:	Doc Miller	KA7BSD	Trustee:	Randy Cobb	KA7HJT
Secretary:	Linda Cereghino	N7CZY	Trustee:	Warren Knight	N7BIJ
Treasurer:	John Koenig	NB7W	Trustee:	Bob Orr	KB7CC
			Trustee:	Dick Powers	WB7ADM

Editor: Al Berg WB7SIC--circulation 250--Copy: Dennis Boyd KC7BE

Going to be a little different style of 'letter' this month as ye-ed needs a vacation from this chore. A lot less typing and more paste in donations.

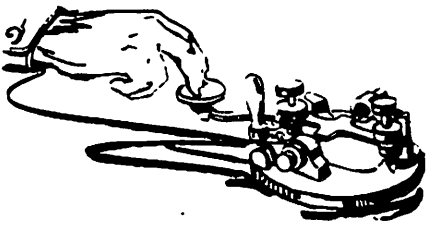
CONVENTION: If anyone has expense receipts to turn in, please do so ASAP. We are trying to finalize the books and want them to be accurate as possible. By the way, only one person has turned in an idea for next years banquet program. Nobody hungry for an easy \$100.00????? You have until the end of this month to turn in an idea. After that, the deal is off. Put your thinking cap on and earn some cash.....

A THANKS: Mark, N7CRQ, would like to thank the following people for their help at the recent Blue Grass Festival held at Haag Lake. A thank you to W7LJN, W7JWG, N7EPE, N7CZY, WA6KLA and N7CNW.

ANOTHER THANKS: Hats off to K7WWR and W7CLU for a great program on repeaters. It was VERY well done and appreciated by all. Now quite a few more of us know what a duplexer looks like. Super job.....

COMMITTEES: A certain number of members will be called, in the near future, in an effort to upgrade and improve our various committees. We have some members who have been working very hard for two years and more. We need some new blood, if you will, to relieve those who have given so much toward helping the club grow and prosper. It is hoped that if you are called, you give serious consideration toward accepting. The club needs MORE member involvement. Of course, any volunteers are to be welcomed with open arms. Thanks in advance...

1% CLUB REBATE: PLEASE do not forget to mention that you are an OTVARC member when making a purchase at Antronics or Portland Radio. It may not seem like much but when you add it all up, it is a very big help to the club. It also tells our advertisers that their money is well spent. Why not mention OTVARC in ANY local radio store. Or electronics supplier. Our ads very nearly pay our annual postage bill of just under \$1000.00!!!! Please give it some thought.



OTVARC Financial Status August 1, '83

Usable Funds	\$1853.47
Emergency Trailer Trust Fund	\$1281.81
Convention funds owed to North Coast Repeater Assoc.	\$ 67.98

Total On Deposit	\$3203.26
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NEW NOVICE TESTING PROCEDURE

Here are some details on the new Novice examining procedure.

The volunteer examiner will have a choice in making up the form of the test: short answer, essay or multiple choice. The questions are to be chosen from the FCC's Novice question pool, PR Bulletin 1035A. (Available from FCC field offices or ARRL Hq.'s Special Request Dept. Please include an s.a.s.e.)

When the new Novice program goes into effect on August 31, the certification section of the current 610 form must be changed until new forms are ready. This should be done by writing in the underlined words as shown below:

* * * *

I Certify That:

1. I am unrelated to the applicant (i.e. not a spouse, parent, child, stepchild, sister, brother, aunt, uncle, niece, nephew, grandparent, grandchild, in-law, stepbrother, stepsister, step-mother, stepfather.)

2. I am at least 18 years of age.

3. I have examined the applicant and he/she has passed Element 2.

(Check One)

I have examined the applicant within the past 10 days and he/she has passed the five words per minute telegraphy examination.

I have not examined the applicant in Element 1(A), since he/she claims telegraphy test credit. The original FCC Form 645, Code Credit Certificate, is attached.

I have not examined the applicant in Element 1(A), since he/she claims telegraphy test credit. Applicant's statement is attached giving the license number, expiration date, and class of commercial radiotelegraph operator license which qualifies him/her for credit.

* * * *

Details on the new Novice examining procedure, plus the complete Novice question pool, PR Bulletin 1035A, will be in September's QST.

Mini Treasury Report OREGON STATE HAM CONV.

Recieved	\$6821.00
Disbursed	-\$4901.05
Balance	\$1919.95

OTVARC's Share =
\$1151.97

*August 18th will be
deadline for reimburs-
ment on CONVENTION
expenses...PLEASE sub-
mit your CONVENTION
expenses before then.

TNX de NB7W

●TALKING TO THE TELL-A-PHONE

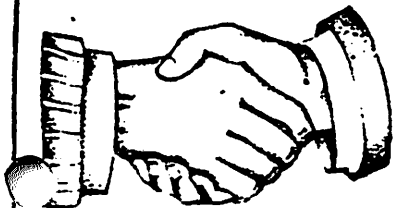
Bell Labs (Cherry Hill, NJ) have been studying how machines can be taught to talk and to respond to voice commands. Talking and listening computers can eliminate the need for typed or dialed in input. Variation in voice pitch, intensity and sound duration are important elements of human communication.

Bell has now developed a dialless tele-
phone that allows you to dial a number by simply announcing "Off Hook" followed by the name of the person (or phone number if you know it). When you are through talking, you merely say "Hang up!"

The amazing thing about the system is that you must "train" the phone to recognize you. This involves pronouncing a list of names and numbers into the system so that the information can be stored for later comparison! The telephone also recognizes your voice and will not accept anyone else's.

And while we are discussing the Bell System... When was the last time you saw a
phone booth! The telephone booth (and it's squeaky door) is now an antique and is quickly being replaced by an open-air pedestal design. (Clark Kent must now change to Superman in an alley.)

W5YI



NEW MEMBERS

A big OTVARC WELCOME to the following new members: Dennis Ashworth, K7FL--Dave Mann, NB7X--Val Roehl, KA7QEV and to Mike Kitzelberger, KA7OFP. Very nice to have you all join up. A special welcome to Val who is the wife of Alan, K07B. Another husband/wife team in OTVARC.

UPGRADES: Only one this past month but a very significant one. Don Matthews, K7AWP, went from general to extra in one sitting. Now that is a rarity. We have had a couple of 'double upgrades' in the past five years but that is all. Congrats to you Don. Though not a member (yet) we must congratulate Marcia Cobb and her recent upgrade from average civilian to novice class. Her new call is KA7QZQ. How about some phonetics for THAT one? Marcia is the wife of Randy, KA7HJT. Randy now has THREE hams in the family. Some people really have a knack for getting more air time. Randy, fork over for a membership for Marcia. We would like to see her on the roster. Summer seems to take a heavy toll on the number of upgrades. Maybe when Fall appears we will see an increase in study time and will be able to list many more members who decided to 'take the big step'. Hope so!!

CUT N SNIP

AMATEUR RADIO RELAY GROUP, INC.

OPERATING THE SOUTH SADDLE REPEATERS
P. O. BOX 10031
PORTLAND, OREGON 97210

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FORIA	146.16/.76 146.26/.86 144.57/.17
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BEND	146.34/.94
BROOKINGS	146.37/.97
BURNS	146.16/.76
CLATSKANIE	144.75/5.33
COOS BAY	146.01/.61 147.72/.12 147.88/.28
CORVALLIS	146.19/.79 146.22/.82 147.76/.16 (AP)
COTTAGE GROVE	146.39/.98 146.06/.66
EUGENE	146.12/.72 146.08/.68 146.28/.88 147.68/.08 (AP) 147.86/.26 (AP) 144.61/5.21
FLORENCE	146.32/.92 146.34/.94
GOLD BEACH	146.13/.73
GRANTS PASS	146.04/.64
HEPPNER	147.76/.16
HERMISTON	147.63/.03 (AP)
HILLSBORO	144.51/5.11 (CL)
HOOD RIVER	147.70/.10
KLAMATH FALLS	146.25/.85 146.01/.61 147.80/.20
GRANDE	146.40/7.00 147.86/.26
LAKEVIEW	146.40/7.00
LEBANON	147.80/.20
MADRAS	147.98/.38
MARYHILL	147.68/.08

MEDFORD	146.10/.70 146.34/.94 147.90/.30 (AP)
MT. HOOD	147.72/.12
MYRTLE POINT	147.98/.38
NEAHKAHNE	144.81/5.41
NEWBERG	144.89/5.49 144.81/5.41
NEWPORT	147.90/.30
ONTARIO	147.72/.12
PENDLETON	146.28/.88
PINE MTN.	147.68/.08
PORTLAND	144.63/5.23 144.73/5.33 146.04/.64 146.10/.70 146.24/.84 146.34/.94 146.37/.97 146.40/7.00 147.74/.14 147.78/.18 (AFSK)
ROSEBURG	144.83/5.43 146.16/.76 147.84/.24 146.30/.90
SALEM	146.26/.86 147.62/.02
SEASIDE	144.85/5.45
SISTERS	146.30/.90
SOUTHSADDLE (HILLSBORO)	147.92/.32 (AP) (EA)
SPOUT SPRINGS	146.20/.80
SUNRIVER	146.12/.72
THE DALLES	147.80/.20
TILLAMOOK	147.82/.22
WALDPORT	147.64/.04
YACHATS	144.77/5.37

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Operating the South Saddle Repeaters
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Portland, Oregon 97210
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(CL) Closed, Private (EA) Emergency Autopatch
(AP) Autopatch (I) Intermittent

BUSINESS TRANSMISSIONS IN HAM SERVICE

The Commission has clarified the prohibition against business communications in the Amateur Radio Service. In amending Part 97 of the rules, the FCC noted that while the International Radio Regulations and various rule sections in Part 97 clearly establish the personal and non-pecuniary nature of the Amateur Radio Service, there is no explicit prohibition regarding business communications, except in Section 97.114 which applies only to third-party traffic messages.

Therefore, the Commission has added a new Part 97 rule section stating explicitly the prohibition against transmitting business communications. Also the identification of the term "business communications" is moved from Section 97.114 (Prohibited Transmissions and Practices) to Section 97.3 (Definitions.) These amendments will make it clear that the prohibition applies to both third-party and non-third party communications.

In this instance, the term business communications includes all types of communications "intended to facilitate the regular business or commercial affairs of any party, whether individual or organization, whether for profit or not, whether charitable or commercial and whether government or non-government."

Certain communications by Amateurs are permitted where the communications benefit the public (medical emergencies, lost children, etc.), rather than sponsors of a particular event. *W5Y1*

Field Day Comments

This was the third field day that I have attended since joining OTVARC. All three were a success in that everyone who attended had a very enjoyable time. However I observed that for the most part a large amount of work to setup, teardown, and provide services has been provided by the same people. The number of persons who helped this year was a large increase from last year however those working for the good of the club still numbered only about 20% of those participating. I personally think the club owes these persons a large THANK YOU for a job well done.

The event doesn't even end after everything is picked up. About 70 manhours of work goes into dupeing logs so the entry forms can be properly filled out. For the last 2 years this has been accomplished by computer. This year only four people were involved because of a lack of volunteers. These people were WB7VGS (who also wrote the computer program), Mildred (XYL of WB7VGS), N7CZY, and myself. I would like to personally thank the others who helped this year. There were probably some of you who would have helped if you had been ask, however it is not possible to start at the top of the roster and call everyone, so if you are willing to help you must take the initiative of letting the committee chairmen and club officers of your desire to help.

The results of this years operation were as follows:

Station 1 (High speed CW)

80 cw	15 logged	15 after dupe	0.0% dupes
20 cw	500 logged	421 after dupe	15.8% dupes
total	515 logged	436 after dupe	15.3% dupes

Station 2 (Little Celilo)

80ph	136 logged	118 after dupe	13.2% dupes
40ph	120 logged	105 after dupe	12.5% dupes
15ph	230 logged	200 after dupe	13.0% dupes
10ph	6 logged	6 after dupe	0.0% dupes
total	492 logged	429 after dupe	12.8% dupes

Station 3 (Low Speed CW)

40cw	218 logged	206 after dupe	5.5% dupes
15cw	172 logged	160 after dupe	7.0% dupes
total	390 logged	366 after dupe	6.2% dupes

Station 4 (Phone)

20ph	820 logged	719 after dupe	12.3% dupes
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Novice

80cw	32 logged	31 after dupe	3.1% dupes
40cw	14 logged	14 after dupe	0.0% dupes
15cw	125 logged	118 after dupe	5.6% dupes
total	171 logged	163 after dupe	4.7% dupes

FINAL	2388 logged	2113 after dupe	11.5% dupes
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I would like to encourage those that participated but didn't help with the work to do so next year and a personal thank you to those who helped this year.

Roger Steyaert
K7RXV

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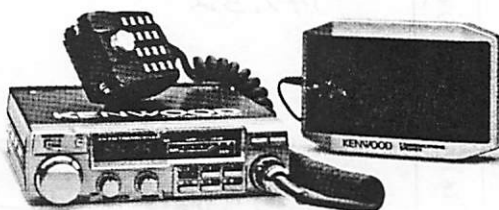
TM-201A \$369.95

PRS \$332.95



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PRS \$1259.10



NEW
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For Sale: Galaxy 5 MK2. No modulation. (mike circuit transistor?) CW and rx function ok. With PS and manual. \$120.00. (call for info) Also Drake 2C with manual and in good shape. \$125... Bernie, KQ7L at 648-1857.

For Sale: Free standing, sturdy 51 foot tower. Two 20 foot sections and one 11 foot. \$200.00 or offer. Walt at 647-5767. Eves.

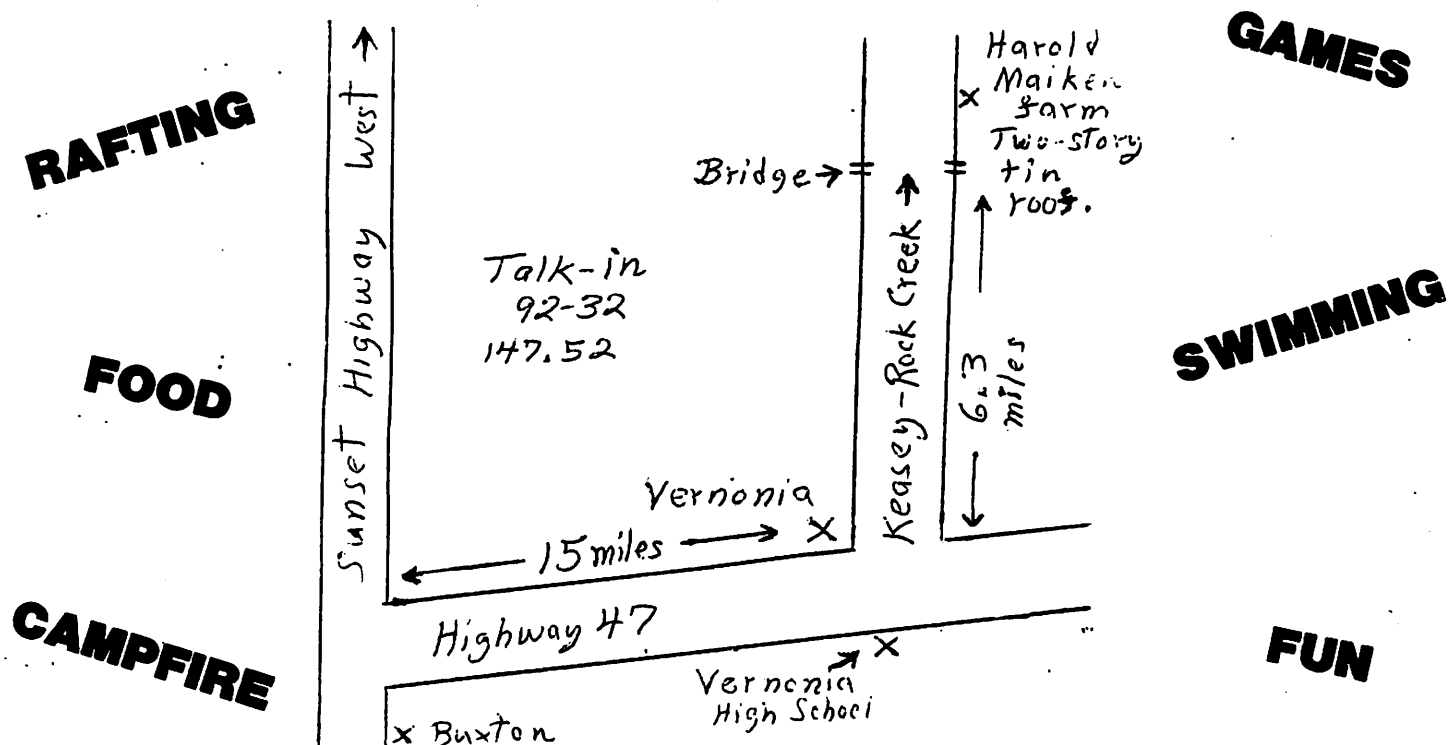
For Sale: Yaesu DX 570 with matching VFO, Spkr-patch and with

VISIT YOUR LOCAL RADIO STORE

processor. 250 watts out. \$250.00. Yaesu clock. New cost was \$55.00. will sell for \$25.00. Homebrew iambic keyer for \$10.00. Astron RS-4A power supply (4 amp) for \$25.00. Telco watt/SWR meter-1000 watt- for \$10.00. Call Gary, WB7RKW at 643-6219.

CLUB PICNIC/CAMPOUT

AUGUST 26-27-28



Your editor messed up and thought there was another week of time for the letter! SO! The following is a guess. There WILL be a potluck early on Saturday evening and the guess is that if your last name ends in A-K, bring a main dish. L through P bring a salad and Q through Z fix your favorite dessert. Please bring your own utensils. The club is furnishing several kegs and possibly coffee and punch. Sorry this happened but if committee people would get their info in by the FIRST OF THE MONTH, it would make things a lot easier. NO pets are allowed except on a leash or locked up in your vehicle or RV. If you have any questions, and you may very well have, please call Paul, WB6SHR, at 641-8703.

REPORT FROM THE PRESIDENT

I have attended the first two meetings of the NORTHWEST AMATEUR RADIO COUNCIL. The council is made up of delegates from affiliated clubs. Your OTVARC board, at its last meeting voted to send in the yearly dues and to designate myself as delegate and Al Berg, WB/SIC, as Alternate.

The board also decided to apply to the ARRL to become a Special Service Club. Watch for details latter.

Our OTVARC Picnic date for the last weekend in Aug. was reaffirmed and we regret The conflict with the Hoodview Hamfair.

A scheme to give more recognition to officers and to committee members was planned and will be getting off the ground soon!

73's Bert, W7JWG

2M HAPPY HOUR PHONE CONTEST RULES

- *DATE: Friday, August 19th, '83 *TIME: 8:00pm to 9:00pm.
- *FREQUENCY: FM simplex 147.42MHz to 147.57MHz
- *OBJECT: To work as many different stations as possible, and in so doing accumulate the highest possible score. To promote the spirit of friendly competition and sportsmanship.
- *ELIGIBILITY: All licensed Amateur Radio Operators holding a technician class or higher are eligible. Novices are encouraged to help at a multi-op station.
- *EXCHANGE: Call, name, and signal report. (Pizza ingredients not required!)
- *MULTI-OP STATIONS are encouraged. One transmitter and one receiver at a time.
- *CASUAL OPERATION is welcomed. Tune in and work your friends, or just make a few contacts. Casual operators add a lot of fun to this contest.
- *SCORE is based on total number of different stations worked. Add one point for each different station worked during contest period. No multipliers.
- *LOGS: Use the log of your choice. Logs are due at the Sept 21st meeting, or postmarked no later than Sept 22, '83. Mail logs to:
OTVARC, P.O. Box 5132, Beaverton, OR 97006
- *PRIZES: Our unique HAPPY HOUR engraved plaques will be awarded to the winner and runner up.
- *IMMEDIATELY FOLLOWING the contest a meeting will be held at Sunshine Pizza in Aloha to speculate on the outcome of the contest. Everyone is invited to attend even if you don't work the contest.

●IBM's MIGHTY LITTLE PEANUT is due for introduction in October according to the Yankee Group, a Boston research firm. The "Peanut" home computer will have 64K and cost in the \$600 to \$700 range. "It will set the standard for home computers at the high end," the firm said. They predict more than 500,000 Peanuts will sell through mass merchandisers in the first year of production. IBM will either have to enhance the existing PC or phase it out completely! The Peanut will have BASIC and software compatibility with the IBM-PC. Computer stores, which now sell the PC, will no longer be IBM's main distribution vehicle as personal computers evolve to an appliance item.

●IS THE HUMAN BRAIN A SWITCH?
That's the question recently pondered at a recent international workshop on "Molecular Electronic Devices." Molecular computers already exist in the brains of living creatures. Molecules can behave like switches in that they can pass current in one direction. Robert M. Metzger at the Univ. of Mississippi is trying to synthesize a molecular rectifier. A digital computer is just a network of switches that can turn each other off and on according to a logical program. The ultimate goal is to synthesize and organize a teaspoon of molecules into a sophisticated, powerful computer. If this can be done, machines might be able to eavesdrop on human thought. The possibilities are absolutely mind boggling!

Hoodview Amateur Radio Club
and
Mount Hood Community College

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MEETING PROGRAM

We have a real doozie this month. It will be a DX-pedition/travelogue type of presentation. What you will see is a narrated slide program from Cook Island. The fellow who made the program possible is Victor Rivera, ZK1CG, who just happens to live on Cook Island. The program will last about 50 minutes and, as we are told, should be of interest to the DX oriented as well as the armchair tourist. Bring the spouse along to see this one. It WILL be a good one.

PROJECT NIGHT: The next project will be 'switching electronics' for the DF antenna. Cost will be in the \$12.00 range. Contact WB7CHK or K7RXV to sign up.



Even if it was his last wish,
I still think it's in bad taste.

WHO TO CALL FOR WHAT

Public Service	Mark Cattell	N7CRQ	245-1230
Club Contests			
Public Relations	(needed)		
Club Raffle	Willie Raines	N7DZR	292-1656
Programs	John Haide	WA7CZA	246-8086
Technical	Roger Steyaert	K7RXV	642-1419
Wash. Cty. EC	"	"	"
Club Socials	Joanne Powers	WB7QFL	655-6498
	Paul Lucas	WB6SHR	641-8703
Club Jackets	Warren Winner	W7JDT	644-0752
ARRG INFO	"	"	"
Club Badges	Linda Cereghino	N7CZY	643-5862
Master Changes	"	"	"
Classes	Bob Orr	KB7CC	297-2732
Sunny Hunts	Mark Cattell	N7CRQ	245-1230
ARRL Membership	John Koenig	NB7W	641-7535
Club Library	(needed)		
Club Scrapbook	(needed)		
Convention	Al Berg	WB7SIC	640-5456
Newsletter	"	"	"
ARRL Assist. Dir.	"	"	"

RENO '83

OREGON IDAHO

Pacific Division Convention

August 19-21, 1983

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Roy Neal, K6DUE

NBC NEWS SCIENCE EDITOR

TALK IN FREQUENCIES

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147.90/30
222.86/4.46

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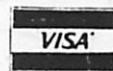
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